

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

**Listing of Claims:**

1.-47. (Cancelled)

48. (Currently amended) A method for controlling body fat in an animal having a total body fat percentage, the method comprising the step of:

administering a lipoxxygenase inhibitor to the animal in an amount sufficient to control body fat in the animal, wherein the lipoxxygenase inhibitor administered is selected from the group consisting of NDGA, AA861, Indomethacin, ETYA, SHA, Baicalein, 3,4-dihydroxycinnamic acid, cinnamyl-3,4-dihydroxy-a-cyanocinnamate, Gossypol, 5,6-dehydro arachidonic acid, Baeomycesic acid, Baicalein monohydrate, 3,4-dihydroxyphenyl ethanol, 4,5-dehydro docosahexaenoic acid, eicosatriynoic acid, 5-HETE lactone, 5(S)-HpETE, 12(S)-HpETE, 15(S)-HpETE, 15(S)-HETrE, 9,12-octadecadiynoic acid, a-pentyl-3-(2-quinolinylmethoxy)-benzenemethanol, 3-amino-1-/m-(trifluoromethyl)phenyl/-2-pyrazoline, and 6,9-diepoxy-6,9-phenylimino-delta 6,8-prostaglandin I 1; and

determining total body fat percentage in the animal after administration, where the post-administration percentage is no higher than the percentage before administration.

49. (Currently amended) A method for controlling body fat in an animal, the ~~method~~ administering step comprising the step of:

feeding NDGA to the animal in an amount sufficient to control body fat in the animal.

50. (Previously presented) The method of claim 49, wherein the NDGA is fed in an amount from about 0.01% to about 5% by weight in diet.

51. (Previously presented) The method of claim 49, wherein the NDGA is fed in an amount from about 0.05% to about 1% by weight in diet.

52. (Previously presented) The method of claim 49, wherein the NDGA is fed in an amount from about 0.1% to about 0.5% by weight in diet.

53. (Currently amended) A method for controlling body fat in an animal, the ~~method~~ administering step comprising the step of:  
administering an anti-lipoxygenase antibody to the animal in an amount sufficient to control body fat in the animal